

POULTRY FARM HATCHES 10,000 CHICKS DAILY

Before They Are a Day Old the
Chickens Are Shipped to
All Parts of the
Country.

MUCH CARE REQUIRED

Five Huge Incubators Kept at
Even Temperature With
Coal-Fed Hot-Water
Furnaces.

Approximately 1,600,000 little chicks will be hatched at the Missouri Poultry Farm during this coming season ending about November 1. At this rate about 10,000 will hatch each day until the first of July, when the slack season commences.

The "yep, yep" of baby chicks is rather an unfamiliar sound at this time of the year, when there is such cold weather and with snow on the ground, but such sounds now greet the visitor at the Missouri Poultry Farm every day. Since about the twenty-second of this month baby chicks to the number of ten or twelve thousand a day have been hatching in their huge incubator room. There from the interior of the rows and rows of incubators, comes this steady murmur of the little chicks who have just entered the world, and as the trays are pulled slightly out, masses of little fluffy chickens are seen. One tray shows all yellow ones, possibly of the white leghorn variety, another shows the little brown striped fellows, the leghorn chickens and still another contains those of a black and white kind or barred Plymouth Rocks.

Has special incubator room. The chicks are hatched in huge incubators in the special incubator room. Manuel Drumm, owner of the farm, has three of these incubators that stand the full width of the room now in steady operation, and will soon have two more completed ready for running. When these are finished the farm will have a capacity of 200,000 eggs a month, as each of the incubators had 40,000 eggs. Mr. Drumm is now taking off between 10,000 and 12,000 chicks each day.

The incubator room and the incubators are heated with hard-coal hot-water furnaces, one attached to the end of each incubator. These keep the room and eggs at an even temperature. The eggs are turned once every six hours, this being done with a turn-crank at the end of each incubator. All the eggs in the room can be turned in less than five minutes.

After the chickens are hatched, they are shipped before they are more than a day old. The little chicks are packed in specially built boxes of a heavy corrugated straw board, with ventilation holes in the sides, the bottom of the box is lined with excelsior, and here the chickens live comfortably for three days. Most of the chickens from each day's hatching are sold, and shipped out immediately.

MUCH CARE REQUIRED. The hatching of these chickens requires a great deal of care on the part of Mr. Drumm. Besides keeping the eggs at a constant temperature all of the time and seeing that they are turned each day, at the end of the eighteenth day they must be removed to the hatching tray. Previous to this time, the eggs have been in trays made of cross bars through which the hatching chick would be apt to fall. Hence they are removed to a box with a wire netted bottom and with an opening in it toward the front. Through this the chicks fall after hatching.

The hatching season lasts from the first part of February until the first of November. During this time, the incubators are run full capacity until about the first of July, and again from the first of September on. During July and August they run with a light capacity.

Mr. Drumm deals with twelve varieties of chickens and has none but pure-bred stock. He has single-comb white leghorns, buff leghorns and brown leghorns, rose-comb brown leghorns, barred plymouth rocks, buff plymouth rocks, white plymouth rocks, rose and single-comb Rhode Island reds, single-comb anconas, single-comb buff orpingtons and rose-comb white wyandottes. He uses eggs from selected layers which he has on various farms near Columbia. He keeps no two kinds of chickens on a farm, so that there will be no danger of mixing them.

The Missouri Poultry Farm has already hatched out more than 30,000 little chickens and these have been sent to all parts of the country. Changes in temperature have little effect on them as they are packed warmly, and are kept warm until started.

ANIMAL NUTRITION STUDIED

Agricultural Chemistry Department Is Issuing Booklets.

The department of agricultural chemistry will soon issue the second of its series of booklets on "Studies in Animal Nutrition." The first volume was out in July, 1921, the second is ready for the printer and the third will be finished sometime this summer.

The first volume deals with "Changes in Form and Weight on Different Planes of Nutrition," and the second will deal with "Proportions of Carcass and Offal Parts in the Animal." The title of the third volume is "Chemical Composition of Different Parts of the Beef Animal." The man who started the series is Dr. H. J. Waters of the Kansas City Weekly Star who was dean of the College of

"Baby Krupp" Shows Weakness When Tested in Local Backyard

At various isolated locations over the country are situated some of Uncle Sam's most valuable military possessions. They do not control strategic points—nor are they safeguards for heavily populated sections. On the contrary, they are to be found in the most out-of-the-way places. They are the government testing grounds such as that at Indian Head, Maryland, where the big instruments of war are tested for range, explosive charge and velocity.

Columbia's variegated activities have been exploited to the outside world in many attractive methods but it is more than likely there has been omitted from the list that of testing ground. Locally, however, the testing is not done under government supervision but is free-lancing decidedly.

Two students becoming bored with studies and recreation hours arranged a target range in their room using .22 calibre repeaters for firearms. With the passing of the time they added to their equipment three .45 calibre revolvers, two .32 calibre revolvers and one of the famous swinging cylinder six-guns of a half-century back. Their new field of operations embraced the landlady's back yard. A German Luger was secured and target practice went on apace, the knot holes in the garden fence suffering heavy casualties while the local ammunition supply houses began to suspect a "Red" invasion from the sudden sale of ammunition for heavy side-arms.

Finally, after much haggling they secured the piece de resistance of their arsenal, a horse-pistol, dated 1828, big enough to slip a package of cigarettes in the end. This "baby-Krupp" was a single-shot, smooth-bore howitzer and aroused much interest between the owners. It was muzzle-loading and evidently carried quite a charge. Visitors after examining its unwieldy construction offered themselves to the "dead-shots" as free targets at a distance of ten yards provided the marksmen would use this new piece of ordinance.

Agriculture in 1907, when the work was undertaken. It took six years to collect the data and the rest of the time to get it published. When Doctor Waters left the University he turned the work over to Dr. C. R. Moulton and L. D. Haigh of the agricultural chemistry department, and Dr. P. F. Trowbridge, who is now director of the Agricultural Experiment Station of North Dakota. The department of animal husbandry helped with some of the first work.

This experiment involves the largest number of chemical analyses made in connection with beef steers in a single experiment, though not the largest number of animals experimented upon, according to Doctor Moulton. All the agricultural chemists in the United States are organized into the Association of Official Agricultural Chemists which meets yearly in the fall in Washington, D. C. The association deals especially with fertilizer control, nutrition control and the food and drug act. Between meetings the members work on methods of inspection and analysis in order to make them uniform throughout the country.

Doctor Moulton is the referee on meat products and as such has charge of work in the methods of analyzing products.

LIBRARY REPORTS COMPILED

Pamphlet Containing Departmental Records Edited. The reports from the various departmental libraries for the past year have been compiled in a pamphlet. Miss Julia Sampson of the School of Journalism library reports that that library receives 100 magazines, 50 city newspapers, 50 small town papers, 25 foreign papers, 10 foreign magazines, and a total of 1,000 cataloged books on the shelves at present.

The School of Medicine library was cared for by student assistants until June, 1921, when the Board of Curators granted a full time assistant. Only a part of the Medical library is in the library room but it has a collection consisting of 4,478 volumes and 100 periodicals. Several thousand volumes are shelved in the general library owing to lack of space.

The School of Engineering library

After much deliberation, the Ballistic powder from three 12 gauge shot-gun shells was determined on as a suitable charge and was poured into the hungry barrel. Rags garnered from the incoming laundry provided the wadding. Sundries, nails, screws, bolts and pebbles served as a load. Then the question came as to a substitute for the percussion cap which the earlier owners of this "instrument of death" had used. An ordinary matchhead was finally decided upon. Out into the back yard they went.

A flip of a coin decided the marksman. A drygoods box as big as a piano furnished the target. The distance was about eight feet. The match was placed upon the firing hole. Using both hands the husky steel hammer was clicked back. The onlookers retired to places of safety and crouched there with their fingers in their ears. Taking a final deep breath, the experimenter held the pocket-size cannon at arm's length, turned his face in the opposite direction and, closing his eyes, pulled the trigger. The only response was a disappointing crack as the match ignited—followed, however, a fraction of a second later, by an explosion that sent neighbors rushing to their doors, rattled window-panes for a block around and furnished a topic of conversation for the ensuing ten days.

After the smoke had cleared away, the "man behind the gun" was found against the fence several feet away from his original position; the revolver minus the firing hole and with stock cracked lay smoking several feet in the opposite direction while before them stood the drygoods box unharmed. A search for the landing spot of the unique missiles disclosed the fact that several cavities the size of teacups had unexpectedly developed in the concrete block foundation beneath the kitchen porch.

The anti-militarists stand which their over-taxed landlady outlined to the young artillery specialists has discouraged more extensive operations.

AT THE HOSPITALS

PARKER MEMORIAL

Mary Houk, who is in the hospital with a bad cold is better this morning. Charles Craver, 520 College avenue and Emil H. Eisentranger were admitted to the hospital with influenza.

Everett Allen was re-admitted to the hospital with a sore throat. Mr. Allen was in the hospital last week.

Laura Frances Headon, 600 Rollins street, and Elizabeth Michel, 1205 Paquin street, entered the hospital yesterday afternoon.

Felix Sappington and William Pyle are in the hospital with tonsillitis. Lawrence DeMuth, 809 Rollins street, and Leland Edwards, 1000 Maryland place, entered the hospital yesterday.

Ruth Chambers, Lorraine Pennington, J. D. Middleton, Helen Marbut and Forrest Lee McCord were discharged yesterday afternoon.

BOONE COUNTY HOSPITAL

J. B. Mitchell, who has been in the hospital two weeks returned home yesterday.

Margaret Wilson was also discharged yesterday.

Real Bargain
CHEVROLET TOURING
Good Condition
\$75
Missouri Motor Co.
15-17 N. 7th St.

Columbia Theatre

Tonight Only

Mary Miles Minter

IN

"Tillie"

An adaption of Helen R. Martin's famous novel of the Pennsylvania Dutch. "Tillie, a Mennonite Maid." Alan Forrest is the leading man. Also

PATHE NEWS

AESOP'S FABLES

TOPICS OF THE DAY

Thursday Only

Viola Dana in "A Chorus Girl's Romance".

STUDENTS SEE MASKED MEN

Journalists Working in South Have Experience With Riders.

Charles Nutter and Robert Lusk, former students in the School of Journalism of the University, now employed on the Four States Press of Texarkana, Ark., were recently given an opportunity to observe the "masked riders" of the South in action. Nutter, Lusk and the news editor of the Four States Press were at work in the news room about 10 o'clock on the night of February 21, when four masked and heavily armed men entered and handed the following note to the news editor:

"We are the four men who took the negro away from Mr. Jordan. We are citizens of Texarkana and intend to stay here. Find us. We are not K. K. K." The three newspapermen were kept under cover of revolvers while one of the men advanced and handed the note to the news editor. The latter started to question the intruders, but was told to remain silent, and in the presence of four men, agreed to do so.

The negro referred to in the note was N. Norman, who was taken from Deputy Sheriff W. T. Jordan by four masked men near Texarkana on the night of February 11 and shot to death on a road near Spring Lake Park. Jordan was bringing the negro to Texarkana from Ashdown, Ark., where he had been arrested and held for Bowie County officers. Norman was the negro who, several days before he was killed, had driven Deputy Jordan from a farm at the point of a gun.

Rewards totaling \$800 have been offered by the Texarkana Chamber of Commerce, the Ku Klux Klan, the sheriff of Bowie County, and the Rotary Club for the arrest and conviction of the men who killed Norman.

AGRICULTURE BULLETIN OUT

Experiment Station Pamphlet Gives Much Information to Farmers.

The Agricultural Experiment Station of the College of Agriculture has its annual bulletin, Testing Fertilizers for Missouri Farmers; 1921 edition, ready for distribution.

By Christmas the year's pamphlet is finished and in the next February it is distributed. The station has a mailing list of manufacturers, dealers and farmers, but the booklet will be mailed to anyone who wishes it.

The Agricultural Experiment Station conducted inspection trips into forty-four counties and eighty-nine towns during 1921. Of the samples tested in 1918, 30.6% showed less than guaranteed value, but in 1921 it went down as low as 10.6 per cent. This is the best showing made in five years.

The inspection has proved, according to the bulletin, that the use of high grade materials is increasing and that larger use of fertilizers will increase the farmers' profits. Along with the decrease in the price of farm products has

come a decrease in the price of fertilizer.

The bulletin gives the new values. One section of the pamphlet is devoted to violations of the law. This gives the names of firms that are guilty as well as the violations of which they are guilty. According to Dr. L. D. Haigh of the Experiment Station, these are mostly minor infractions, due to carelessness. Dealers and the brands of fertilizer which they sell are also listed. The booklet includes a table of the approximate sale of fertilizers in Missouri according to counties, in 1921.

TODAY'S MARKETS

EAST ST. LOUIS LIVE STOCK MARKET.

By United Press.

EAST ST. LOUIS, Ill., March 1.—Cattle receipts 3,500; market steady; strong. Native beef steers \$5.00 to 9.50 Yearling steers and heifers 4.00 to 9.00 Cows 3.75 to 6.00 Stockers and feeders 4.00 to 6.00 Calves 10.25 to 11.50 Cannors and cutters 2.50 to 3.50 Hog receipts 14,000; market 10 to 15 cents lower. Mixed and butchers \$11.00 to 11.20 Good and heavy 10.85 to 11.10 Rough 6.00 to 9.25 Light 11.10 to 11.25 Pigs 7.50 to 11.00 Bulk 11.00 to 11.20 Sheep receipts 1,000; market steady; 25 cents lower. Sheep and ewes \$ 6.50 to 8.00 Cannors and cutters 2.00 to 4.00 Wool lambs 15.50 to 16.00

ST. LOUIS CLOSING CASH GRAIN PRICES.

Corn—No. 2 white, 59½ cents; No. 3 white 57½ cents. Oats—No. 2 white, 38 cents; No. 3 white, 37 to 37½ cents; No. 4 white, 36 cents. Wheat (red)—No. 2, \$1.43 to \$1.45; No. 3, \$1.40; No. 4, \$1.35.

COLUMBIA MARKET REPORT.

Prices to Farmers: Low High Avg. Eggs, doz 17 20 18 Butter, lb 25 30 27½ Hens, lb 18 22 20 Old roosters, lb 07 07 07 Spring fries, lb 22½ 22½ 22½ Milk, whole, cwt 1.75 1.75 1.75 Cream (sweet), lb 41 41 41 Cream, lb 36 36 36 Parsnips, lb 03 03 03 Turnips, lb 75 75 75

ST. LOUIS CLOSING GRAIN FUTURES.

(Courtesy of the Boone County Milling Company.)

	Ask	Bid	Mkt.	Mon.
Wheat:				
May	1.37½			
July	1.16½			
Corn:				
May	.63%			
July	.65%			
Sept.				
Oats:				
May	.42½			
July	.43			

62 COUNTIES HAVE AGENTS

Farmers Receive Education Along Scientific Lines.

Sixty-two men and sixteen women now comprise the force of county agents that are covering sixty-two counties of this state for the purpose of educating the farmer along the more scientific lines of his business. These agents are sent out to the different counties by the College of Agriculture of the University of Missouri, and are at the service of the farmers in the different counties. If the farmers have some common interest such as poultry raising, stock raising, or almost any other particular phase of farming, the county agent sends for a specialist in this particular branch, who gives the farmers the desired information by lectures and practical demonstration.

A Boys' and Girls' Club has been added to the extension service, by means of which the younger generation of farmers who are interested in any particular subject relating to the farm can get help.

BATTERY SERVICE
LET US TEST AND WATER
Your Battery Free
Taylor Garage.

Tires!

We have looked over the tire proposition together with buying power of each individual tire owner and the result is that we are offering a special built tire at the following prices:

SIZE	FABRIC	CORD
30 x 3	\$ 7.85	
30 x 3 1/2	9.35	\$12.58
32 x 3 1/2	11.35	13.85
31 x 4	12.35	
32 x 4	13.35	16.85
34 x 4	14.35	17.85
34 x 4	15.35	18.85
32 x 4 1/2		19.35
33 x 4 1/2		19.85
34 x 4 1/2	18.35	21.35
35 x 4 1/2	19.35	21.85

In addition we have Carlisle Cord, Oldfield and Victor Tires which are equal to any on the market. See us for tires.

Cecil F. Crane

9th & Walnut Phone 894

Purple Parrot Dancing Academy
Tues. & Thurs.
7:00 p. m.
Third Floor,
Miller Building.
Phone 275-Green

The Youngsters Know



White Way Flour

Broadway Milling Co.

Mfrs. White Way Flour

3rd and Broadway

The Cold Unsentimental World

To the relatives of a deceased man there is sentiment about the disposal of his estate.

Executing a will for a relative entails the carrying out of many little whims and fancies; the relative-executor feels that all the world should be sympathetic and tolerant with him.

But the world is cold and unsympathetic; exacting and mercenary. It can be dealt with only in a business-like manner.

Under the Federal Reserve Act this bank is empowered to offer its extensive business experience in the handling of estates. It costs no more to secure the services of this solid, long-established institution as your executor or administrator.

Exchange National Bank

Student Representatives Wanted

For a complete line of Men's Shirts. Big sellers, Factory to consumer. Full time workers make \$15.00 daily. A fine proposition for spare time. Quality fabrics—up-to-the-minute patterns. Undersell stores, no limit to business. Free sample to workers. Write for particulars to

Chicago Shirt Company

208 S. La Salle St., Division 7,
Chicago.

The Hen + The Feed = The Result

**"I Guarantee Twice as many Eggs
If You Use this Feed" — T. E. QUISENBERRY**

Guaranteed from Feed Hopper FREE

EXPERIMENT STATIONS and all of the large successful poultry raisers, have found that Quisenberry Laying Mash is more important than scratch grains. If your hens are to produce eggs in greatest numbers, they must have the food that thousands of tests have proved to be the best feed.

QUISENBERRY QUALITY Buttermilk Laying Mash is pure, rich, dried buttermilk mixed with highest quality grain products—rich in protein and overfertilized with egg-making elements. Made under the direction of T. E. Quisenberry, one of America's most successful poultry raisers.

306 Eggs from One Hen

Exhibit Photo Average Over 200 Eggs. Quisenberry Quality Buttermilk Laying Mash is a real record Maker. Finely ground and properly balanced, all ready for feeding. Order a 10-lb. sack or more, from us. Money-back guarantee assures your satisfaction. Free Feed Hopper with each 100-lb. sack.

R. Keel's Feed & Livery Barn
Columbia, Mo.

FREE FEED HOPPER!
For feed economy! This Hopper is just the thing. Free with each 100-lb. sack.



The Shirt Among Shirts

—The one that just pleases you—is nestled at Barth's among the new spring arrivals. Shirts in all patterns, with or without collar attached.

\$1.50 up

Van Heusen Collars

Victor Barth Clothing Co.

Everybody's Store



Dainty Ornaments Add the Finishing Touch to the Costume

Nothing will so add that dainty touch of one's personality as the quaint new ornaments that are so much in vogue this season.

We have just received a new shipment of combination dories with compartments for money, rouge and powder. Also a line of the fashionable new earrings in all colors.

LINDSEY'S